

Vertica

Clinic | Care | Homecare | Assist | Process



VERTICA helps you
mobilise.



LIE
comfortably,
sit **SAFELY**,
stand up
WITH LESS
EFFORT.

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Vertica – the mobilisation bed.

Everybody will agree, that to be healthy, you need good rest. While bed rest is good for patients, it also has been realized that patients need to be assisted to become active as early as possible. During the recovery period the patient is dependent on their own strength in combination with the help of staff to be mobilized. However, during the early stages of healing and mobilization, when the patient

is still very weak, the strain on the staff can be an occupational hazard. We believe that there must be another way to mobilize patients safely and support staff with this duty – we are therefore pleased to present to you the Stiegmeyer Vertica hospital bed: perfectly conceived and precisely engineered to the needs of both staff and patients.

The Bed is a MOBILISATION aid.

The Vertica enables the patient to be moved safely and gently into an upright sitting position – with significantly reduced effort for staff. Electronically controlled, and following exactly the path of natural human movement. The patient is mobilized effortlessly. Mobilisation is VERTICALISATION.

Main features at a glance:

- Brings the patient into a safe seating position with floor contact
- Optimal ergonomics for Natural movements
- High level of safety thanks to sophisticated support mechanisms
- Strenuous mobilisation using the sides of the mattress base no longer necessary
- No resource-intensive transfers using special chairs
- Actively supports the patient standing up

Early VERTICALISATION begins with a sitting position.



Decor: Noce Praliné 4452-60

Complete mobilization from the bed starts with a sitting position. While being bed ridden in a supine position and rendered completely passive, meals cannot be eaten and all nursing activities cannot be performed.

Social activities such as interacting with visitors and staff, and even reading and watching TV is awkward and unpractical. Sitting upright with feet firmly supported is the first step back towards a normal life for any patient.

A proper
**SITTING
POSITION**
made easy.



Sitting – the first step
towards a normal life.



Perspectives are changing.

In modern hospital beds, patients can get into a comfortable sitting position with the help of an adjustable mattress base. Vertica goes one step further: the patient can not only sit comfortably, but also has safe contact with the floor or a firm grip on a footrest – this means that the sensation of position and posture of the body via proprioceptors is supported in the muscles, tendons and joints of the legs. This increases well-being, stimulates the circulation and promotes VERTICALISATION.

The multifunctional foot section can also be used as a table. For those being mobilized gradually after a serious illness, this allows them to enjoy eating, sitting upright again, and to engage with visitors at eye level. This improves the recovering process which stimulates healing.



Lowest mattress base position: 42 cm



Highest mattress base position: 83 cm



Backrest can be adjusted up to a 70° angle



Anti-Trendelenburg position up to a 16° angle



Trendelenburg position (shock position) up to a 16° angle



Fowler position



Leg-raised position



Orthopaedic position (raised legs); thigh rest can be adjusted up to a 30° angle



Cardiac position



Seated position



Standing position

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1.



2.



3.



4.

Standing up made easy.

It is only a small step from SITTING to STANDING.

If a patient manages to sit up in bed properly again, they have made the first step towards standing. With the Vertica, patients can be raised easily, in a controlled manner.

The Vertica lifts the patient, following natural movements from a horizontal supine position, into a sitting position and then into a standing position. The standing process is a perfectly smooth and continuous motion – which can of course be interrupted at any time to make individual adjustments according to the patient's state of well-being.

This is the start of gently VERTICALisation of the patient. Of course, emergency buttons on the hand switch make it possible to quickly achieve and easily access the shock or CPR position and safely abort the mobilization process.

Vertica makes the LIVES OF HEALTHCARE STAFF easier.

Depending on the condition of the patient, the mobilization process of the Vertica will necessitate only one extra person to provide the support for the mobilization activity, safely and professionally.



Safe as safe can be.

Practical SAFETY begins with good design.

The issue of safety can always be divided into „constructive“ and „perceived“ safety. Patients who are particularly weaker will feel secure just because the table is protecting them from tilting forward (large figure). Easily accessible grab handles which can be adjusted to the position of the patient guarantee stability and a sense of security. In addition, cushions can be used for positioning on the sides to give the patient a sense of stability and security in all directions.



The construction of the bed supports not only sitting, but also standing: as an aid to standing up, the mattress base is pivoted further into a vertical position. Individually-adjustable frame sections serve as a mobilisation support (image 1). For those whose feet cannot reach the floor, footrests can be used (image 2). Of course, VERTICALISATION can only be carried out when the castors are immobilized, so the bed is equipped with a brake alarm as standard.



1.



2.

A feeling of **SECURITY** thanks to easily accessible **GRAB HANDLES**



Perfection captured in the detail.

Only things that work will be used – this applies to all areas of technology. This is why stable mobilisation supports can be put into position easily and with one hand (large figure, left).

To allow the mattress base to be extended, the foot-end frame is telescopic (image 1). The grab handle on the mobilisation support swings away unhindered to allow the patient to stand up easily (image 2 and 3).



Decor: Noce Praliné 4452-60

The hoisting column frame of the Vertica bed is equipped with four 150 mm smooth-running Castors. Support castors which automatically move in and out provide stability against tipping (large figure, right).

A very short wheelbase ensures optimal adjustment of the mattress base during the process of standing up.

The bed is easier to manoeuvre because the wheels are close together, which is particularly useful for everyday transport of the patient within a hospital (image 4).

The foot section can be transformed into a spacious bed stripper with a few hand movements. The fully removable head board also guarantees unhindered access to the patient (image 5 and 6).



Vertica – with variable side rail system.

The multifunctional capabilities of the Vertica can be used optimally in combination with a 2/3 side rail (Figure 1). The MultiFlex side rail extending from the head section to the thigh rest offers protection against falling and leaves clearance for the folding mobilisation support on the foot end.



Decor: Snow White 9417-60

The Vertica supports caregiving during mobilisation and helps to avoid measures which restrict the patient's freedom. In cases where patients require a high level of care, full side protection is sometimes essential. Those who value this option can also benefit from the Vertica's two-part MultiFlex side rail (large figure). The foot-end gap closure not

only protects the patient from falling out, but also provides a secure grip when standing up. There is sufficient space at the head and foot ends, and also between the side rails, to safely route drains so that they cannot be snapped off (image 2). The foot section can be swung outwards to function as a bed stripper.

Accessories – direct from the manufacturer.

Quality is in the details. This applies not only to the product itself, but also to accessories. Buying from the manufacturer ensures both complete compatibility and perfectly considered design.



Footrests.

A solid footing ensures safety. Optional footrests provide support and stable positioning (image 1).

Flexible mattress.

Specially-designed mattresses with foam and cut-out sections which precisely match the Vertica. Even the standard cold foam mattress provides

maximum comfort, while the visco-elastic design ensures excellent prevention against pressure sore (image 2).

Support cushion.

Side support cushions provide particularly thin and unstable patients with additional support (large figure)

Control made easy.

Two control levels, which can be activated with ease using the multifunctional hand switch, allow simple control of patient and staff functions (selective locking, emergency functions, etc.)



Safe as safe can be: the entire process of standing up, which should be done only under expert supervision, can just be initiated by the member of staff. The same applies to activating emergency settings, which are available at any time and in any position of the bed. The following safety features can be controlled with the press of a button: 1st emergency position: CPR bed flat, 2nd emergency position: shock position (emergency trendelenburg).

Delivery standards

	Feature	
Side rails	2/3-MultiFlex	●
	2-part MultiFlex	○
Electrical components	Under bed light	○
	Foot pedal	○
	Brake alarm	●
Castors	Integrated castors	●
	Double castors*	○
	Polypropelene brake pedal	○
	Cast Aluminum brake pedal	●
Head and foot board (2/3 MultiFlex)	Foot section can be folded to serve as a table	●
	Foot-end frame can be folded to serve as a mobilisation support	●
Colour	Argentum	○
	White	●
Washing	Non-washable	○
	Washable	●
	Hygienic mattress base for fixation	●
Mattresses	Cold foam (12 cm)	●
	Visco-elastic (14 cm)	○
Miscellaneous	Clamping rail below backrest	○
	Clamping rail at head of bed	○
	Clamping rail at head of bed + below backrest	○
	Parking position for footrest (14 cm)	●
	Control unit cover	●

● = standard ○ = optional

* Steincó double roller available with plastic brake step on

Decors

The broad range of colours and decors allows an impeccable harmonisation of the Vertica with your institution's decor. Additional colours are available on request.

Our Vertica is also available in a homely design with modern wooden panels. (For further information, please ask for the Vertica Care brochure).

Technical data

Motorised elements

Full motorised version:

Height drives, tilting and back and thigh rest, lower leg rest and standing function motor, battery for emergency adjustment

Side rail variants

MultiFlex side rails (up to 415 mm above the mattress base)

Length 2/3-MultiFlex 1280 mm

Dimensions and weights

Outer dimensions: 1038 x 2144 mm (2/3-MultiFlex)
1038 x 2176 mm (2-part MultiFlex)

Mattress base: 900 x 2000 mm (mattress)

Mattress base segmentation
(backrest/seat/ thigh rest/lower leg rest): 830/204/439/493 mm

Length compensation element for backrest
in accordance with Germany's DBfK regulation: approx. 100 mm

(reduced further for the sitting and standing
positions) Rated load: 225 kg
Maximum hoisting weight: 250 kg

Floor clearance for each mattress
base height: approx. 165 mm

Total weight: approx. 175 kg

Adjustment range

Tilting of the mattress base into the
Trendelenburg position: approx. 16°

Tilting of the mattress base into the
reverse Trendelenburg position: approx. 16°

Height of mattress base: approx. 425 - 830 mm

Motor-driven height adjustment: approx. 30 sec.

Backrest adjustment: up to approx. 70°
up to approx. 85°
for the function that enables the
patient to stand up
(including emergency release from
either side of the bed)

Thigh rest adjustment: up to approx. 30°

Leg-raised position: up to approx. 15°

Snow White

9417-60

Alabaster Mirage

4875-60

Silver Grey

0160-60

Gold

0446-60

Ceylon

0424-60

Jade

0670-60

Azur

0744-60

Shadow

D 96-60

Ambient Maple

4369-60

Capital Elm

4359-60

Global Beech

4306-60

Noce Praliné

4452-60

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